



Atty. Docket No.: 8654/2182

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Kalim Mir  
Serial No.: 10/664,000  
Filed: September 16, 2003  
Entitled: ARRAYS AND METHODS OF USE

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Conf. No.: Not Yet Assigned

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a**

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Matthew M. Beudet

Name of Person Mailing Paper

Signature of Person Mailing Paper

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER**

Enclosed for filing in the above-identified patent application, please find the following documents:

1. Information Disclosure Statement;
2. Form PTO-1449;
3. Copies of Cited References; and
4. Return Post Card.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 8654/2182. A duplicate of this transmittal letter is enclosed for this purpose.

Date:

10/17/03

Respectfully submitted,

Name: Matthew M. Beudet

Registration No.: 50,649

Palmer & Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100



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**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98**

Dear Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office.

A listing of the cited documents is also enclosed, as well as, for the Examiner's convenience, copies of the documents in the list.

Pursuant to CFR § 1.97(b)(3), because this Statement is being submitted before the first Office Action on the merits, no fee is required.

Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Date:

10/17/03

Respectfully submitted,

Name: Matthew M. Beaudet

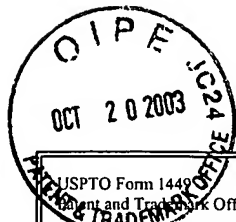
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| USPTO Form 1449<br>Patent and Trademark Office  |     |   |                  | U.S. Department of Commerce     |       | Attorney Docket No. |                              | Serial No. |  |
|---|-----|---|------------------|---------------------------------|-------|---------------------|------------------------------|------------|--|
| INFORMATION DISCLOSURE STATEMENT  |     |   |                  | 8654/2182                       |       | 10/664,000          |                              |            |  |
|   |     |   |                  | Applicant(s): Kalim Mir         |       |                     |                              |            |  |
|   |     |   |                  | Filing Date: September 16, 2003 |       |                     | Group: Not Yet Assigned      |            |  |
| U.S. PATENT DOCUMENTS   |     |   |                  |                                 |       |                     |                              |            |  |
| Examiner Initial  |     | Patent No.  | Date             | Name                            | Class | Subclass            | Filing Date (if appropriate) |            |  |
|   |     |   |                  |                                 |       |                     |                              |            |  |
| FOREIGN PATENT DOCUMENTS  |     |   |                  |                                 |       |                     |                              |            |  |
| Examiner Initial  |     | Document No.  | Publication Date | Country                         | Class | Subclass            | Translation                  |            |  |
|   |     |   |                  |                                 |       |                     | YES                          | NO         |  |
|   | 1.  | WO 01/57249 A1  | Aug. 9, 2001     | PCT                             | C12Q  | 1/68                |                              | X          |  |
|   | 2.  | WO 01/57248 A3  | Aug. 9, 2001     | PCT                             | C12Q  | 1/68                |                              | X          |  |
|   | 3.  | WO 01/57248 A2  | Aug. 9, 2001     | PCT                             | C12Q  | 1/68                |                              | X          |  |
|   | 4.  | WO 01/23610 A3  | Apr. 5, 2001     | PCT                             | C12Q  | 1/68                |                              | X          |  |
|   | 5.  | WO 01/23610 A2  | Apr. 5, 2001     | PCT                             | C12Q  | 1/68                |                              | X          |  |
|   | 6.  | WO 00/36152   | June 22, 2000    | PCT                             | C12Q  | 1/68                |                              | X          |  |
|   | 7.  | WO 00/06770   | Feb. 10, 2000    | PCT                             | C12Q  | 1/68                |                              | X          |  |
|   | 8.  | WO 96/27025   | Sept. 6, 1996    | PCT                             | C12Q  | 1/68                |                              | X          |  |
| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)  |     |   |                  |                                 |       |                     |                              |            |  |
|   | 9.  | Liu, X. et al., (2000), "Molecular Beacons for DNA Biosensors with Micrometer to Submicrometer Dimensions", <i>Analytical Biochemistry</i> , 283:56-63. |                  |                                 |       |                     |                              |            |  |
|   | 10. | Osborne, M.A. et al., (2000), "Single-Molecule Analysis of DNA Immobilized on Microspheres", <i>Analytical Chemistry</i> , 72(15):3678-3681.            |                  |                                 |       |                     |                              |            |  |
|   | 11. | Goodwin, P.M. et al., (1996), "Single-Molecule Detection in Liquids by Laser-Induced Fluorescence", <i>Acc. Chem. Res.</i> , 29(12):607-613.            |                  |                                 |       |                     |                              |            |  |
| EXAMINER  |     |   |                  |                                 |       | DATE CONSIDERED     |                              |            |  |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |     |   |                  |                                 |       |                     |                              |            |  |
| **Copies of references not provided at the time of this submission.   |     |   |                  |                                 |       |                     |                              |            |  |